

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1-75. (Canceled)

76. (Currently amended) A conditioned medium for deriving and culturing ~~ana~~ human pluripotent embryonic stem (ES) cell line in a substantially undifferentiated state, said medium prepared by a method including:

obtaining a fibroblast feeder cell layer comprising human adult fibroblast feeder cells which supports the derivation and/or culture of human pluripotent ES cells in a substantially undifferentiated state, ~~wherein said feeder cell layer comprises cells selected from the group consisting of human adult cells, human fetal cells, human embryonic cells, and a combination thereof;~~

culturing the feeder cell layer in the presence of a medium selected from the group consisting of HES, KO, HES-HS, KO-HS, HFE, HM, HF and HF-HS; and

separating the medium from the cells to obtain the conditioned medium.

77-78. (Canceled)

79. (Previously presented) The conditioned medium according to claim 76 wherein the medium comprises KO-HS.

80. (Currently amended) The conditioned medium of claim 76, wherein the ~~human adult cell is~~ fibroblast feeder cells are selected from the group consisting of ~~human adult fibroblast~~ cells, ~~human adult skin~~ fibroblast cells, ~~human adult muscle~~ fibroblasts, ~~human adult epithelial~~ cells, and a combination thereof.

81. (Canceled)

82. (Currently amended) The conditioned medium of claim 81~~76~~, wherein the ~~human adult fibroblast cell is a~~ cells are human adult fallopian tubal (HAFT) fibroblast ~~cell~~cells.

83. (Currently amended) The conditioned medium of claim 80, wherein the human adult cell is a fibroblast feeder cells are human adult skin cellfibroblast cells.

84. (Currently amended) The conditioned medium of claim 80, wherein the human adult cell is a fibroblast feeder cells are human adult muscle cellfibroblast cells.

85-92. (Canceled)

93. (Currently amended) The conditioned medium of claim 76, wherein said feedfeeder cell layer is first established in a primary culture in the presence of HFE medium.

94. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer is propagated in the presence of a HM medium.

95. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer comprises fibroblast cell line Detroit 551 (ATCC NO CCL-110).

96. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer comprises cell line MRC-5 having accession Number ATCC No. X-55 or ATCC No. CCL-171.

97. (Previously presented) The conditioned medium of claim 76, wherein the feeder layer comprises cell line WI-38 having Accession Number ATCC NO CCL-75 or ATCC NO CCL-75.1.

98-100. (Canceled)